| L Number | Hits  | Search Text  | DB  | Time stamp       |
|----------|-------|--|---|------------------|
| 1        | 436   | (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)   | USPAT;<br>US-PGPUB;   | 2004/08/23 08:29 |
|          |       |  | EPO; JPO;<br>DERWENT;<br>IBM TDB                                    |                  |
| 2        | 34    | ( (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)) and  | USPAT;<br>US-PGPUB;   | 2004/08/23 08:30 |
|          |       | electromagnetic  | EPO; JPO;<br>DERWENT;<br>IBM_TDB                                    |                  |
| 3        | 50891 | (phototransistor or (photo\$1transistor) or transistor) with (light or electromagnetic)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;                                    | 2004/08/23 09:27 |
| _        | 329   | ( (CMOS or (complementary adj1 metal adj1 oxide adj1   | DERWENT;<br>IBM_TDB<br>USPAT;                                       | 2004/08/23 09:00 |
| 4        | 329   | semiconductor)) with transistor with (light or radiation)) and ((phototransistor or (photo\$1transistor) or transistor) with (light or electromagnetic))   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                       | 2004/00/23 03:00 |
| 5        | 303   | (( (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)) and ((phototransistor or (photo\$1transistor) or transistor) with (light or   | USPAT;<br>US-PGPUB;<br>EPO; JPO;                                    | 2004/08/23 10:49 |
| 6        | 16    | electromagnetic))) and (imaging or imager or image pickup or image device) ( (CMOS or (complementary adj1 metal adj1 oxide adj1  | DERWENT;<br>IBM_TDB<br>USPAT;                                       | 2004/08/23 09:28 |
|          |       | semiconductor)) with transistor with (light or radiation)) and ((phototransistor or (photo\$1transistor)) with (light or electromagnetic))   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;                                  |                  |
| 7        | 5     | ("5546438"   "5942774"   "6023081"   "6040592"   "6133862"  <br>"2002/0093034"   "2002/0163042").PN.   | IBM_TDB<br>USPAT  | 2004/08/23 09:40 |
| 8        | 271   | 348/273.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;                                    | 2004/08/23 10:24 |
| 9        | 31    | ((( (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)) and ((phototransistor or (photo\$1transistor) or transistor) with (light or electromagnetic))) and (imaging or imager or image pickup or | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT; | 2004/08/23 10:49 |
| 10       | 95    | image device)) and (color adj1 filter) (transistor with (substrate near8 insulat\$3) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor) adj4 (imager or imaging or sensor))   | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;             | 2004/08/23 10:59 |
| 11       | 13    | (transistor with (substrate near8 transparent) with light) and 250/\$.ccls.  | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;                         | 2004/08/23 11:11 |
| -        | 936   | ((phototransistor or (photo\$1transistor)) with light) same bias\$3  | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;                          | 2004/08/23 08:58 |
|          |       |  | EPO; JPO;<br>DERWENT;<br>IBM_TDB                                    |                  |
| -        | 18    | (((phototransistor or (photo\$1transistor)) with light) same bias\$3) and 348/\$.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;                        | 2004/07/29 11:03 |
|          | 213   | (((phototransistor or (photo\$1transistor)) with light) same bias\$3)  | IBM_TDB<br>USPAT;   | 2004/07/29 11:08 |

| 3370  | (transistor with light) same bias\$3   | USPAT;   | 2004/07/29 11:25  |
|-------|--|--|---|
|       |  | EPO; JPO;<br>DERWENT;  |   |
| 123   | ((transistor with light) same bias\$3) and 348/\$.ccls.  | IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 10:55  |
|       |  | DERWENT;<br>IBM_TDB  |   |
| 23    | (((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS   | US-PGPUB;<br>EPO; JPO;   | 2004/07/29 11:02  |
| 29621 | (substrate near8 transparent) with light   | IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 11:03  |
| 580   | transistor with (substrate near8 transparent) with light   | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 14:05  |
| 9     | (transistor with (substrate near8 transparent) with light) and 348/\$.ccls.  | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 11:03  |
| 13    | (transistor with (substrate near8 transparent) with light) and 250/\$.ccls.  | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/08/23 11:11  |
| 38    | (transistor with light) same bias\$3 same CMOS   | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 13:00  |
| 49    | (n adj1 (channel or type)) with (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)                                   | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;  | 2004/08/22 19:23  |
| 6     | (n adj1 (channel or type)) with (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with sensitive with (light or electrogmanetic or radiation) | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;  | 2004/07/29 13:47  |
| 0     | (transistor with (substrate near8 transparent) with light) same (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))   | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;  | 2004/07/29 14:07  |
| 39    | (transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1  | IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 15:14  |
| 39    | (transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1  | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;   | 2004/07/29 15:33  |
|       | 123<br>23<br>29621<br>580<br>9<br>13<br>38<br>49<br>6  | ((transistor with light) same bias\$3) and 348/\$.ccls.)  ((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS  ((transistor with (substrate near8 transparent) with light  (transistor with (substrate near8 transparent) with light) and 348/\$.ccls.  (transistor with (substrate near8 transparent) with light) and 250/\$.ccls.  (transistor with (substrate near8 transparent) with light) and 250/\$.ccls.  (transistor with light) same bias\$3 same CMOS  (n adj1 (channel or type)) with (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)  (n adj1 (channel or type)) with (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with sensitive with (light or electrogmanetic or radiation)  (transistor with (substrate near8 transparent) with light) same (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  (transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  (transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) | ((transistor with light) same bias\$3) and 348/\$.ccls.  ((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS  (((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS  ((((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS  ((((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS  ((((transistor with light) same bias\$3) and 348/\$.ccls.) and CMOS  ((((transistor with (substrate near8 transparent) with light) USPAT; USP-GPUB; EPO; JPO; DERWENT; IBM, TDB  ((transistor with (substrate near8 transparent) with light) and 348/\$.ccls.  ((transistor with (substrate near8 transparent) with light) and 250/\$.ccls.  ((transistor with (substrate near8 transparent) with light) and 250/\$.ccls.  ((transistor with light) same bias\$3 same CMOS  ((transistor with light) same bias\$3 same CMOS  ((transistor with light) same bias\$3 same cmost complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (light or radiation)  (((transistor with (substrate near8 transparent) with light) same (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) with transistor with (substrate near8 transparent) with light) same (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  ((transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  ((transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  ((transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  ((transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor))  ((transistor with (substrate near8 transparent) with light) and (CMOS or (complementary adj1 metal adj1 oxide adj1 semiconductor)) |

| _   | 92  | (transistor with (substrate near8 insulat\$3) with light) and (CMOS  | USPAT;              | 2004/08/23 10:58 |
|-----|-----|--|---------------------|------------------|
|     |     | or (complementary adj1 metal adj1 oxide adj1 semiconductor)          | US-PGPUB;           |                  |
|     |     | adj4 (imager or imaging or sensor))                                  | EPO; JPO;           |                  |
|     |     | , (  | DERWENT;            |                  |
|     |     |  | IBM_TDB             |                  |
| -   | 15  | (output near7 (differential adj1 amplifier)) same (CMOS near4        | USPAT;              | 2004/07/29 16:03 |
|     |     | (imager imaging sensor))   | US-PGPUB;           |                  |
|     |     |  | EPO; JPO;           |                  |
|     |     |  | DERWENT;<br>IBM TDB |                  |
|     | 400 | grating with color with light with (detector or pixel)               | USPAT:              | 2004/07/29 16:04 |
| -   | 126 | grating with color with light with (detector of pixel)               | US-PGPUB:           | 2004/07/25 10:04 |
|     | Ì   |  | EPO: JPO:           |                  |
|     |     |  | DERWENT;            |                  |
|     |     |  | IBM_TDB             |                  |
| _   | 84  | transistor with bias\$3 with electromagnetic                         | USPAT               | 2004/08/22 18:00 |
|     | 49  | (n adj1 (channel or type)) with (CMOS or (complementary adj1         | USPAT;              | 2004/08/23 08:29 |
|     |     | metal adj1 oxide adj1 semiconductor)) with transistor with (light or | US-PGPUB;           |                  |
|     |     | radiation)   | EPO; JPO;           |                  |
|     | Į   |  | DERWENT;            |                  |
|     | 1   |  | IBM_TDB             | 0004/00/00 40:00 |
| l _ | 1 3 | ("5283460"   "6252286"   "6313484").PN.                              | USPAT               | 2004/08/22 19:26 |